

To: **Public Safety Committee**
Through: **Ryan Schroeder, City Manager**
From: **Ross Beckwith, Public Works & Parks Director/City Engineer**
Date: **February 4, 2020**

Carrie Street Traffic Calming

BACKGROUND INFORMATION:

With the proposed construction of Hy-Vee and the Oppidan apartment building along Thompson Avenue, traffic is expected to increase in the surrounding area. Traffic studies were performed for both developments to look at impacts to the surrounding roadways. There have been concerns that Carrie Street, which connects Thompson Avenue to Oakdale Avenue, will see a significant increase in traffic with the addition of Hy-Vee and Oppidan. Some are even concerned that Carrie Street currently is used as a shortcut for motorists to avoid the Thompson/Oakdale all-way stop intersection. (Future plans of a roundabout at Oakdale/Thompson would reduce the delay time for motorists traveling through that intersection.)

A 48-hour traffic count was performed in December 2018 and Carrie Street carries about 300 vehicles per day (vpd). A residential street typically carries less than 1,000 vpd, so Carrie Street currently experiences a high level of service.

Based on the recent traffic study for Hy-Vee and Oppidan, the Annual Average Daily Traffic (AADT) on Thompson Avenue between Carrie Street and Oakdale Avenue is 9,600 vpd. The 2040 build is projecting 13,500 vpd or a 40% increase resulting from Hy-Vee (53%), Oppidan (13%) and adjacent growth/developments (34%). Using this data generically, if you were to increase the traffic of Carrie Street by 40% in 2040, the projection would be 420 vpd. While this is much higher increase than is realistic, as Carrie Street can only be used to defer one leg of the trips traveling through the Oakdale/Thompson intersection, it still shows how low the traffic volumes would be on Carrie Street.

FISCAL IMPACT:

NA

STAFF RECOMMENDATION:

Staff does not see warrants for any traffic calming changes to Carrie Street.